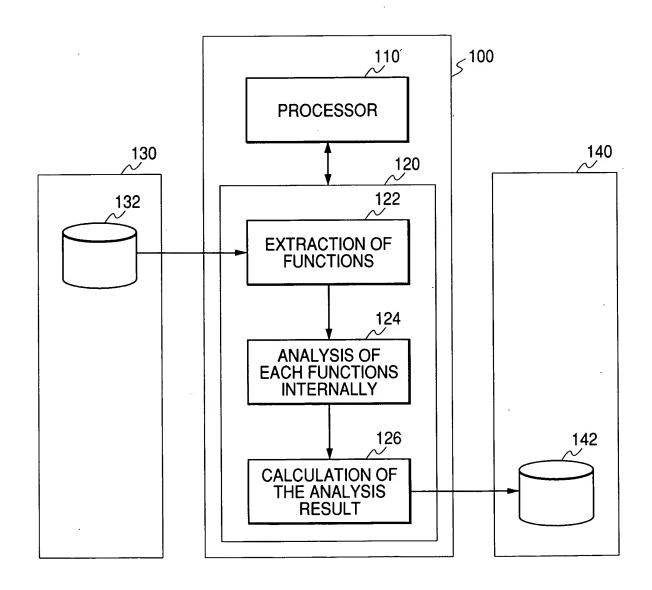


FIG. 1



```
(AIN1,AIN2)
                        func_A
           int
                                     AIN1,AIN2;
                        int
                        (.
                                     A1, A2;
                        int
                                     A01;
                        int
               211 - \inf_{if (AIN1 = 10)}
132-
                                    - if (AIN2 > 20)
                        } else {
                213~
                        if (AIN1 > 10)
                         return (A01);
                                     (BIN1)
                         func_B
            int
                         int
                                     BIN1;
                         {
                                     B1, B2;
                         int
                                     BO1;
                         int
                         if (BIN1 > 20)
                         if (BIN1 > 18)
                                                  {.
                         if (BIN1 > 16)
                         if (BIN1 > 2) {
                                      ()
                         func_C
            void
```

FIG. 3

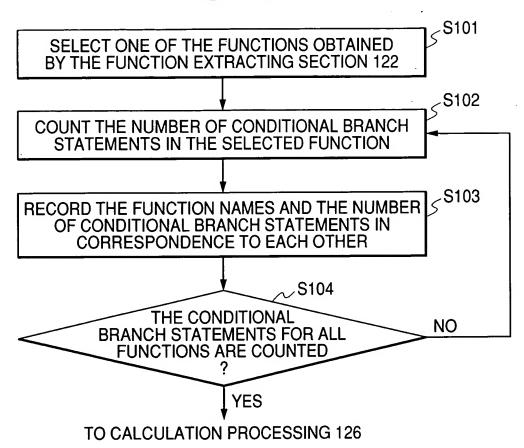


FIG. 4

FUNCTION NAME	NUMBER OF CONDITIONAL BRANCH STATEMENTS
func_A	3
func_B	10
func_C	0

FIG. 5

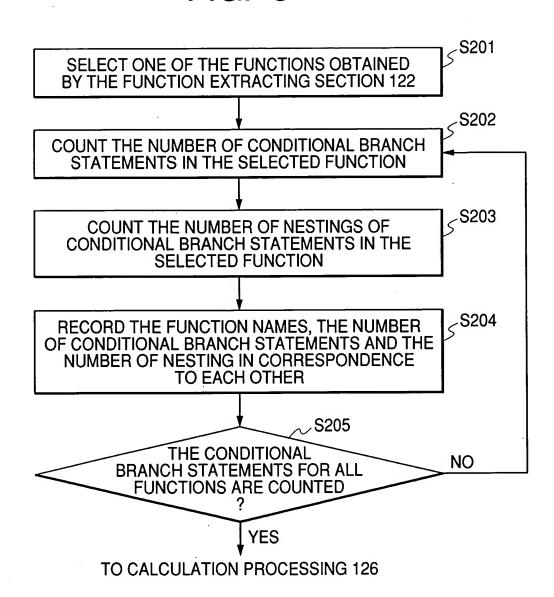


FIG. 6

·	COND	DITIONAL BRAN	CH STATEMENT
		NUMB	ER OF NESTINGS
FUNCTION NAME	NUMBER	NUMBER OF NESTING STAGE	NUMBER OF CORRESPONDING CONDITIONAL BRANCH STATEMENTS
fune A	2	0	2
func <sub>-</sub> A	J 3	1	1
func_B	10	0	10
func_C	0	0	0

```
FIG. 7
```

132~

```
(AIN1,AIN2)
            func_A
                        AIN1,AIN2;
            int
                        A1, A2;
            int
                        A01;
            int
           \sim if (AIN1 == 10)
                       - if (AIN2 > 20)
            } else (
    213~
            if (AIN1 > 10)
            return (A01);
            func_D
                        ()
void
                        D1, D2, D3;
          int
           D2 = func_A1 (D1):
           -AIN1 = func_A2 ( D2 );
            D3 = func_A ( AIN1, D2 );
```

FIG. 8

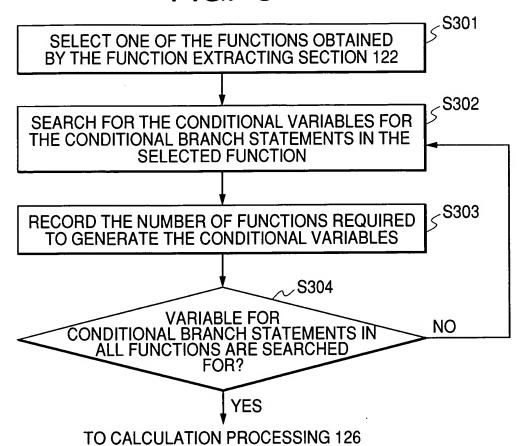


FIG. 9

	COND	ITIONAL BRANCH STATE	MENT
FUNCTION	·	VARIABLE GENER	RATION
NAME	NUMBER	NUMBER OF FUNCTIONS REQUIRED FOR GENERATION	NUMBER OF VARIABLES
	0	2	1
func <sub>-</sub> A	3	0	1
func_D	. 0	0	0

```
(AIN1,AIN2)
                        func_LA
            int
                                     AIN1,AIN2;
                        int
                        int
                                     ij;
                                     A1, A2;
                        int
132~
               1011 int for (i = 0; i < AIN1; ++i) {
                        int
                                     A01;
                           1012 for (j = 0; j < AIN2; ++j) (
               1013~
                        for (i = 0; i < 10; ++i)
                        return (A01);
                        func_LB
                                     (BIN1)
            int
                                     BIN1:
                        int
                        int
                                     B1, B2;
                        int
                                     BO1;
                         for (i = 0; i < BIN1; ++i) (
                         for (i = 0; i < BIN1; ++i) [
                         for (i = 0; i < BIN1; ++i) [
                         for (i = 0; i < BIN1; ++i) (
                                     ()
                         func_LC
            void
```

FIG. 11

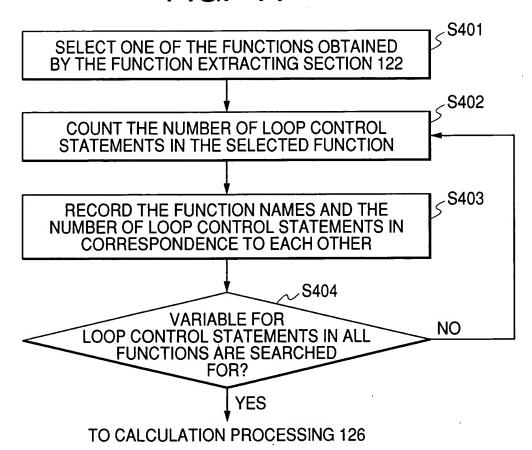
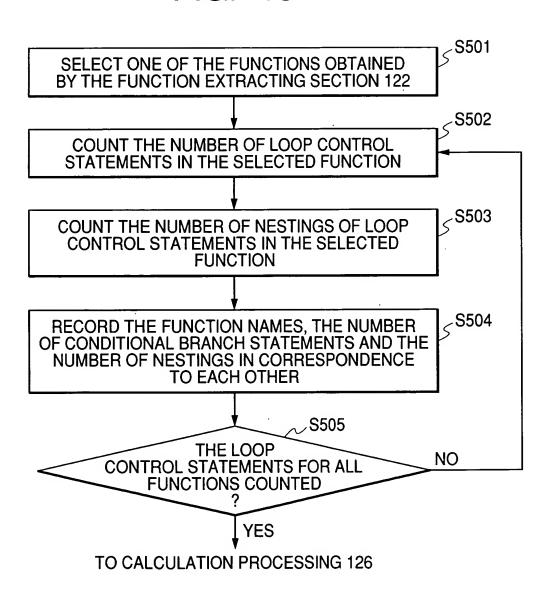


FIG. 12

FUNCTION NAME	NUMBER OF LOOP CONTROL STATEMENTS
func_LA	3
func_LB	10
func_LC	0

FIG. 13



	LC	OOP CONTROL S	STATEMENT
		NUMBE	R OF NESTINGS
FUNCTION NAME	NUMBER	NUMBER OF NESTING STAGE	NUMBER OF CORRESPONDING LOOP CONTROL STATEMENTS
f 1 A		0	2
func <sub>-</sub> LA	3	1	1
func_LB	10	0	10 .
func_LC	0	0	0

#### FIG. 15

132-

```
(AIN1,AIN2)
            func_LA
int
                         AIN1,AIN2;
            int
                         A1, A2;
            int
                         A01;
            for (i = 0; i < AIN1; ++i)
                       - for (j = 0; j < AIN2; ++j ) (
            for (i = 0; i < 10; ++i)
   1013-
            return (AO1):
             func_LD
void
                         D1, D2, D3;
            D2 = func_LA1 ( D1 );
            - AIN1 = func_LA2 ( D2 );
             D3 = funcL_A (AIN1, D2);
```

FIG. 16

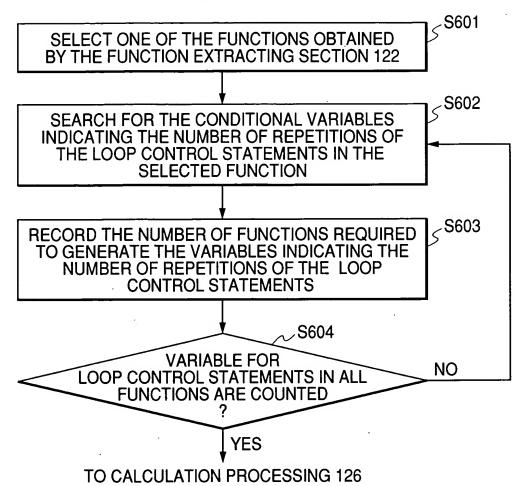
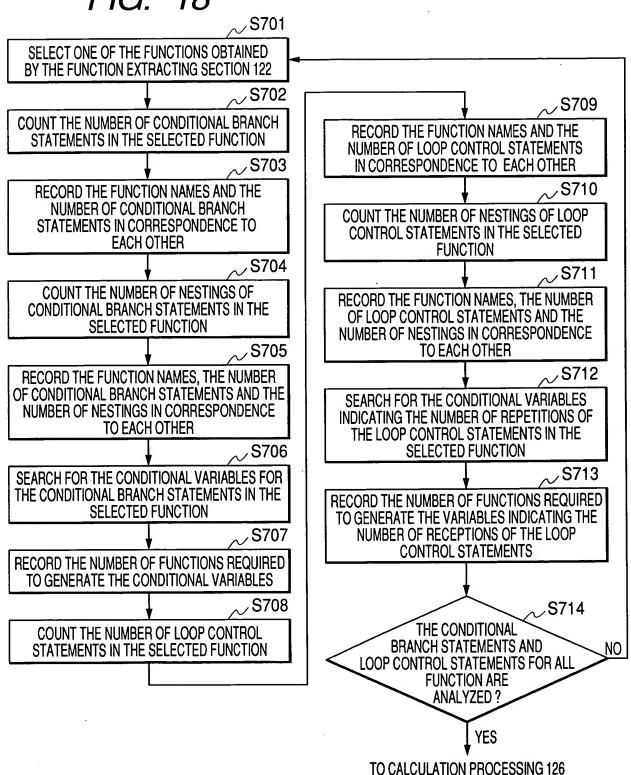


FIG. 17

	LC	OOP CONTROL STATEMEN	VT
FUNCTION		VARIABLE GENERATION NUMBER OF REPE	ON FOR THE TITIONS
NAME	NUMBER	NUMBER OF FUNCTIONS REQUIRED FOR GENERATION	NUMBER OF VARIABLES
f 1 A	0	2	1
func <sub>-</sub> LA	3	0	1
func_LD	0	0	0



		NOO	CONDITIONAL BRANCH STATEMENT	TATEMENT			)]	LOOP CONTROL STATEMENT	TEMENT	
		NUMBER OF NEST	OF NESTINGS	VARIABLE GENERATION	NERATION		NUMBER	NUMBER OF NESTINGS	GENERATION OF VARIABLES FOR THE NUMBER OF REPETITIONS	: VARIABLES MBER OF IONS
FUNCTION	NUMBER	NUMBER OF NESTING STAGES	NUMBER OF STAGES NUMBER OF CORRESPONDING CONDITIONAL BRANCH STATEMENTS	NUMBER OF FUNCTIONS REQUIRED FOR GENERATION	NUMBER OF Variables	NUMBER	NUMBER OF NESTING STAGES	NUMBER OF CORRESPONDING LOOP CONTROL STATEMENTS	NUMBER OF FUNCTIONS REQUIRED FOR GENERATION	NUMBER OF VARIABLES
A 66.3	c	0	2	2	1	C	c	c	C	c
A.DIN	າ .	-	1	. 0	1	>	>	0	0	>
func_B	10	0	10	0	1	0	0	0	0	0
func_C	0	0	0	0	0	0	0	0	0	Ö
func_D	0	0	0	0	0	0	0	0	0	0
4	٥	C	c		c	C	0	2	2	1
TUNC, LA	>	>	>	)	<b>&gt;</b>	၇	1	1	0	1
func_LB	0	0	0	. 0	0	10	0	10	0	-
func_LC	0	0	0	0	0	0	0	0	0	0
func_LD	0	0	0	0	0	0	0	0	0	0

FIG. 20

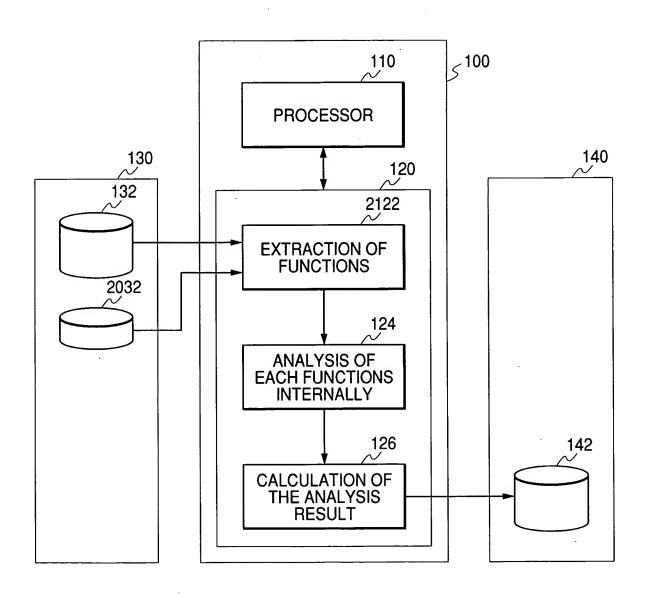


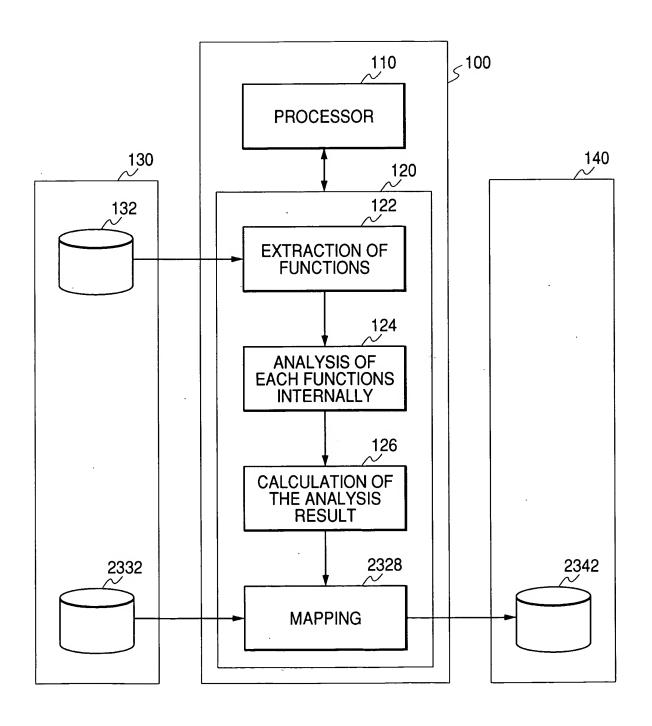
FIG. 21

	CONE	DITIONAL BRANCH STATE	MENT
FUNCTION		VARIABLE GENEI	RATION
NAME	NUMBER	NUMBER OF FUNCTIONS REQUIRED FOR GENERATION	NUMBER OF VARIABLES
funa Aufuna D	2	2	1
func_A+func_D	3	0	1

FIG. 22

	LC	OOP CONTROL STATEMEN	OP CONTROL STATEMENT		
FUNCTION		GENERATION OF VAR THE NUMBER OF RE			
NAME	NUMBER	NUMBER OF FUNCTIONS REQUIRED FOR GENERATION	NUMBER OF VARIABLES		
funcil Aufuncil D	0	2	1		
func_LA+func_LD	3	0	. 1		

FIG. 23



PROCESSING UNIT	PREFERABLE NUMBER OF CONDITIONAL BRANCH STATEMENTS
CPU	10 OR MORE
DSP	3 TO 9
DEDICATED LOGIC	2 OR LESS

#### FIG. 25

FUNCTION NAME	APPROPRIATE PROCESSING UNIT
func_A	DSP
func_B	CPU
func_C	DEDICATED LOGIC

#### FIG. 26

PROCESSING UNIT	PREFERABLE NUMBER OF LOOP CONTROL STATEMENTS
CPU	3 TO 9
DSP	10 OR MORE
DEDICATED LOGIC	2 OR LESS

FUNCTION NAME	APPROPRIATE PROCESSING UNIT
func_LA	CPU
func_LB	DSP
func_LC	DEDICATED LOGIC

		APPROPRI,	ATE CONDITIONAL B	APPROPRIATE CONDITIONAL BRANCH STATEMENT			APPROPF	APPROPRIATE LOOP CONTROL STATEMENT	OL STATEMENT	
		NUMBER	NUMBER OF NESTINGS	VARIABLE GENERATION	BATION		NUMBER	NUMBER OF NESTINGS	GENERATION OF VARIABLES FOR THE NUMBER OF REPETITIONS	VARIABLES ABER OF ONS
FUNCTION	NUMBER	NUMBER OF NESTING STAGES	NUMBER OF CORRESPONDING CONDITIONAL BRANCH STATEMENTS	NUMBER OF CORRESPONDING CONDITIONAL BRANCH STATEMENTS	NUMBER OF VARIABLES	NUMBER	NUMBER OF NESTING STAGES	NUMBER OF CORRESPONDING LOOP CONTROL STATEMENTS	NUMBER OF FUNCTIONS REQUIRED FOR GENERATION	NUMBER OF VARIABLES
		0	1 OR MORE	0	1 OR MORE		0	3 TO 9	0	3109
CPU	5 A R R	-	1 OR MORE	-	1 OR MORE	3 TO 9	1	0	1	0
	<u> </u>	2 OR MORE	1 OR MORE	2 OR MORE	1 OR MORE		2 OR MORE	0	2 OR MORE	0
		0	3709	0	3 TO 9		0	1 OR MORE	0	2 OR LESS
DSP	3109	-	3 OR LESS	-	3 OR LESS	00 H	1	1 OR MORE	-	2 OR LESS
		2 OR MORE	1 OR LESS	2 OR MORE	1 OR LESS		2 OR MORE	1 OR MORE	2 OR MORE	2 OR LESS
DEDICATED LOGIC	20R LESS	0	3 OR LESS	0	3 OR LESS	3 OR LESS	0	3 OR LESS	0	3 OR LESS

		APPROPRIATE	APPROPRIATE CONDITIONAL BRANCH STATEMENT	NCH STATEMENT			APPROPRI	APPROPRIATE LOOP CONTROL STATEMENT	L STATEMENT	
NOILONIE		NUMBER	NUMBER OF NESTINGS	VARIABLE GENERATION	VERATION		NUMBER	NUMBER OF NESTINGS	GENERATION OF VARIABLES FOR THE NUMBER OF REPETITIONS	VARIABLES MBER OF ONS
NAME	NUMBER	NUMBER OF NESTING STAGES	NUMBER OF CORRESPONDING CONDITIONAL BRANCH STATEMENTS	NUMBER OF FUNCTIONS REQUIRED FOR GENERATION	NUMBER OF Variables	NUMBER	NUMBER OF NESTING STAGES	NUMBER OF CORRESPONDING LOOP CONTROL STATEMENTS	NUMBER OF FUNCTIONS REQUIRED FOR GENERATION	NUMBER OF Variables
		0 (K=1)	1 OR MORE	0 (K=1)	(1 OR MORE)		0 (K=1)	3 TO 9	0 (K=1)	3 TO 9
CPU	MORE MORE	1 (K=2)	1 OR MORE	1 (K=2)	1 OR MORE	3 TO 9 (K=6)	1 (K=1)	0	1 (K=1)	0
	(0-11)	2 OR MORE (K=3)	1 OR MORE	2 OR MORE (K=3)	(1 OR MORE)		2 OR MORE (K=1)	0	2 OR MORE (K=1)	0
		0 (K=1)	3109	0 (K=1)	3 TO 9		0 (K=1)	1 OR MORE	0 (K=1)	2 OR LESS
DSP	3T09 (K=8)	1 (K=2)	30RLESS	1 (K=2)	3 OR LESS	MORE	1 (K=2)	1 OR MORE	1 (K=2)	2 OR LESS
		2 OR MORE (K=2)	1 OR LESS	2 OR MORE (K=2)	(1 OR LESS)	(2-11)	2 OR MORE (K=3)	1 OR MORE	2 OR MORE (K=3)	2 OR LESS
DEDICATED LOGIC	K=6	0 (K=1)	3 OR LESS	0 (K=1)	3 OR LESS	3 OR LESS (K=6)	0 (K=1)	3 OR LESS	0 (K=2)	3 OR LESS

FUNCTION NAME	APPROPRIATE PROCESSING UNIT
func_A	DSP
func_B	CPU
func_C	DEDICATED LOGIC
func_LA	CPU
func_LB	DSP
func_LC	DEDICATED LOGIC